










Milwaukee VAMC Specification Modifications Checklist

Div	Section	Comment	VA Updated Checklist	Date AE Added	Initials
		Reference the "Drawings" tab of this file for notes and design requirements on the drawings.	27-Aug-11	5/11/2012	MW
	All	<p>Energy Efficiency Requirements for Design and construction:</p> <p>Federal Executive Order #13423/#13514 requires all energy efficiency materials, equipment, and systems to be evaluated and if feasible incorporated into VA Projects. The A/E, prime contractor, and all subcontractors shall cooperate with the Federal Government in specifying, evaluating, documenting, purchasing, and installing energy efficient equipment that meet basic energy efficiency criteria established by the VA. The criteria can be defined as comparing total energy savings to life cycle cost of the equipment. To accomplish this objective, the A/E shall produce an Energy Equipment Schedule comparing a description of each standard piece of equipment (system) versus a description of recommended efficient equipment (or system); including the estimated purchase price, estimated cost to install, maintain, and operate the equipment as well as the estimated annual energy usage and estimated useful life for each piece of equipment (or system).</p> <p>All design and installation will be in accordance with current VAMC, HVAC design guides, NEC, NFPA, ASHRAE 90.1, state, local and all VA and federal codes.</p> <p>The VA intends to provide energy savings equipment and design modifications for current energy usage to the most efficient and economical level possible.</p>  	30-Dec-11	na	
0	00 01 15	List of Drawings is required.	6-Oct-10	5/11/2012	MW
1	01 01 10 FSS 01 01 10 IC 01 01 10 SN 01 01 10 1HR 02 42 00	<p>The following specification sections are required for ALL projects:</p> <p>01 01 10 FSS – Fire and Safety Control 01 01 10 IC – Infection Control 01 01 10 SN – Special Notes 01 01 10 1HR – 1 Hour Construction Smoke Barrier 02 42 00 - Cutting, Removal, Demolition, Restoration and Patching</p>	30-Dec-11	na	MW
1	01 00 00, Article 1.2	<p>B. ROUTINE INSPECTIONS AND MAINTENANCE DURING CONSTRUCTION</p> <p>a. Provide routine inspections and maintenance services as prescribed in Operations & Maintenance manuals required under this contract.</p> <p>b. Provide services during construction and until items below are completed:</p> <p>i. VA Inspection complete.</p> <p>ii. Successful commissioning</p> <p>iii. Training of VA Maintenance staff</p> <p>iv. Acceptance by VA of each system described in other specifications related to this contract.</p> <p>v. O&M Manual submittals received, reviewed, and approved by VA.</p> <p>c. Systems included in this contract are:</p> <p>i. Patient Lifts</p> <p>ii. Elevators</p> <p>iii. Plumbing/Medical Gas/Fire Protection</p> <p>iv. HVAC</p> <p>v. [other - specify]</p> <p>C. SUBMIT with O&M manuals [if phased work, submit at substantial completion of work phases and update upon completion of final work phase] one spreadsheet based comprehensive summary schedule of routine inspection and maintenance for systems. List: specification section, article, and paragraph; description of systems/subsystems; O&M Manual reference; frequency.</p>	6-Oct-10	5/11/2012	MW
1	01 00 00	Add the following note: In the case of conflicts or discrepancies within or among the Contract Drawings, the better quality, more stringent requirements or greater quantity of work, as determined by the Government, shall be provided.	6-Oct-10	5/11/2012	MW
1	01 00 00, item 1.15	ADD: Contractors to update as work is completed the VA electrical, medical gas, domestic plumbing and mechanical piping master schematic books. These books are located in the FM office.	2-Dec-10	na	
1	01 00 00	ADD "Temporary Interior Signage"	8-Jul-11	na	
1	01 00 00 IC	When the contractor's work blocks doors and/or exists, changes paths, etc., the General Contractor is to provide all temporary signage to reroute personnel and block the doors or exits. Locations to be determined based on the ILSM.	6-Oct-10	na	
1	01 00 00 IC	Add the infectious control specification section and drawing to the contract document set. Determine level of risk each specific area is during construction types and phases. Add notes to all trade sheets to follow these requirements.	6-Oct-10	na	
1	01 01 10 IC	Current version of document 12-29-2011	30-Dec-11	na	
1	01 01 10 SN	Current version of document 3-5-2011	5-Mar-12	na	
1	01 01 10 1 HR	Current version of document 12-29-2011	30-Dec-11	na	
1	01 01 10 FSS	Current version of document 12-29-2011	30-Dec-11	na	
1	01 01 10 SN, item 1.3.B	This section is required for all contracts.	26-Nov-10	na	
1	01 00 00	Provide bid items description with cost and time for completion of each.	6-Oct-10	na	
1	01 00 00, item 1.3 A and B	<p>Replace A&B with:</p> <p>A. All drawings and specifications will be on FedBizOps and Buzzsaw for contractor use.</p>	23-Dec-10	5/11/2012	MW

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1	01 00 00	Phasing to be included in every project. Phase 1 will be submittals review and duration to be based on AE determination of submittals required prior to work beginning and time to review these and Phase 2 will be construction. AE to combine submittal review and construction duration time to determine overall contract completion.	11-Jan-11	5/11/2012	MW
1	01 00 00	Photo documentation of construction - if the VA determines necessary, this will be part of the AE contract. A note needs to be in this spec section informing the contractor this will be taking place during construction.	11-Jan-11	5/11/2012	MW
1	01 00 00	The following is a list of inspections that will be conducted. This list needs to be added and included in the Network scheduling specification section (01 32 16.13 / 01 32 16.15 / 01 32 16.16 / 01 32 16.17). 	11-Jan-11	5/11/2012	MW
1	01 00 00 Item 1.6.K.5	Contractor to provide a list of emergency contacts at the entrance to construction site.	30-Jan-11	5/11/2012	MW
1	01 32 16.13	This section is to be included for all projects. ADD to item 1.1.A: CPM to be submitted within 45 days of notice to proceed. Contractor can mobilize, however physical work on contract can not start until network analysis schedule is approved by the VA.	6 Oct 11 and 4 Apr 11	5/11/2012	MW
1	01 32 16.13	The Contractor's representative shall engage the services of an outside consultant to complete the CPM. Consultants deemed pre-approved by VA: CCS/OS, Chicago, IL; Spire Consulting Group, Austin, TX.	17-Jan-11	5/11/2012	MW
1	01 32 16.13 / 01 32 16.15 / 01 32 16.16 / 01 32 16.17	Inspection list needs to be included. Inspections need to be shown on CPM. 	11-Jan-11	5/11/2012	MW
1	01 33 23	AE to provide list of all submittals required for the project. AE to identify submittals required before work can begin. AE to determine submittal review time before work can begin. This needs to be added to the phasing of the project, which at a minimum will be as follows - Phase 1 will be submittals, Phase 2 will be construction. Infection Control plan submittals are required for each phase of construction. Reference spec 01 01 10-IC, items 2.1.3.	15-Feb-11	5/11/2012	MW
1	01 45 29, item 3.18	AE to fill out table of required test quantities as applicable for the project.	6-Oct-10	5/11/2012	MW
1	01 45 29	Contractor is responsible for insuring all work meets the specification requirements. Testing services retained by the VA shall not relieve the contractor of providing his own testing services guaranteeing his work meeting these requirements. Testing services retained by the VA shall also not provide conclusive results to substantiate the contractors work.	6-Oct-10	5/11/2012	MW
1	01 74 19	This section is required for all contracts.	6-Oct-10	5/11/2012	MW
1	01 74 19	ADD: 1.1.B. Contractor is required to restore all finishes, surfaces, items, & materials as required accommodating new finishes. For example, if wall paper, vinyl wall covering, ceramic wall tile, etc. is existing on wall, and new wall finish calls for wall to be painted, contractor is required to remove existing wall paper, vinyl wall covering, ceramic wall tile, etc. to accommodate new painted finish. These surfaces are required to be verified prior to bid, as no change to contract will be provided after award if existing finishes are clearly present. 1.2.C. Lead Paint: Section 02 83 22.13, Lead Based Paint Removal and Disposal 1.7. B Separate out materials and recycle them. Submit report from construction and demolition "recycle" facility. One such facility that can/has been used is the Waste Management C&D Recycling facility (formerly City Wide Recycling), 10700 West Brown Deer Road, Milwaukee, WI, 53224. Phone number is (414) 355 – 6500. Plant manager is Mike Miller. This Waste Management facility will give contractor estimated weight of recycled materials including LEED report identifying drywall, inert materials (bricks, concrete, etc.), metals, old cardboard, wood recycled and the approximate amount of materials that cannot be recycled --- which is then landfilled. Other facilities offering similar reporting and methods can be proposed by Contractor.	6-Oct-10	5/11/2012	MW
1	01 74 19	Add the following tables to the specification. Contractor is required to complete and keep current this document. Confirm with the VA the most current version of the tables.  	27-Aug-11	5/11/2012	MW
1	01 74 19	Specification needs to identify if contractor is required to provide their own dumpster or if can use VA dumpster. Additionally, if using VA dumpster, need to determine if reimbursement to the VA is required based on size of the project.	27-Aug-11	5/11/2012	MW
1	01 74 19	Include in the specification the attached Attachment A, Sample Construction Waste Management Plan. 	30-Dec-11	5/11/2012	MW


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2	02 42 00	Specification section 02 42 00 Cutting Demolition Restoration and Patching to be added to every project.  N:\Project Management\05 - D	30-Dec-11	na	MW
2	02 82 11	Add VA procedures for asbestos abatement. Asbestos testing is to include a sample from every wall in the room and the ceiling, at a minimum. Contractor sampling asbestos to identify homogeneous area and identify areas to be abated based on OHSA and WIDNR interpretations.	6-Oct-10	na	MW
2	02 82 11	Add note: Asbestos contractor is responsible not to disturb areas outside the containment area. Areas surrounding the containment need to be continuously checked to ensure integrity of the containment and the abatement work does not create any disturbances, damage or openings to the containment.	6-Oct-10	5/11/2012	MW
2	02 82 11	On the asbestos drawing and in the specification, the following note needs to be added. "Replace dielectric unions during abatement process. Allow for 15% of the dielectric unions to be replaced to be changed after demo and after full abatement of the area. Glove bag for each fitting prior to removal. Plumber to be on standby during glove bag to replace unions."	6-Oct-10	5/11/2012	MW
2	02 82 11 & 02 82 13.13	Check quantities for ACM abatement, be more conservative for bid documents in lieu of anticipating a cost change order for construction. Typical areas of ACM: floor tile, mastic, thermal insulation fittings (all sizes), plaster walls & ceilings in all types of bathrooms, duct insulation, roofing tar paper, roofing mastic, etc.	6-Oct-10	5/11/2012	MW
2	02 82 11 & 02 82 13.13	Asbestos containment to remain up until VA FM inspects and approved of asbestos abatement work.	6-Jun-11	5/11/2012	MW
2	02 82 11 & 02 82 13.13	Contractor will have to insulate all existing piping that has been abated and is to remain and not modified by the mechanical contractor. Provide notes to this to ensure all piping is insulated in a renovation project where all ACM thermal insulation has been removed and where piping is to remain and not be modified by the mechanical contractor.	6-Oct-10	na	
	03 30 00 Item 2.2.1 & 03 30 53	Reinforcing steel to be epoxy coated.	14-Mar-11	na	
3		Floor Leveling - Need to add a note that the contractor is to provide for an 3/4" average fill requirement to achieve floor flatness level. Floor leveling for resilient flooring to conform to ASTM F710-08.	26-Mar-12	na	
5	05 12 00	Provide fireproofing for all steel requiring it per code. Add specifications for all applicable sections.	6-Oct-10	na	
5	05 12 00	In accordance with Safety Policy submittals are required for scaffolding, submittals should be in the form of a shop drawing, stamped and signed by a P.E.  M:\PM\Master Specs\Safety Specs	6-Oct-10	5/11/2012	
6	06 20 00	All cabinets and drawers to have locks.	30-Jan-11	na	
7	07 84 00	Fire stopping is required for all projects within the medical center.	6-Oct-10	na	
7	07 84 00	AE to work with VA to identify a quantity of penetrations to be added to the contract for fire caulking. Base quantify is 1 hole per 150 sq ft, however this needs to be worked out for each project.	26-Mar-12	na	
7	07 92 00	Sealants and Caulking is required for all projects within the medical center.	6-Oct-10	na	
8		Contractor to provide Yellow construction doors for project.	4-May-11	na	
8	08 11 13	Add statement indicating that all door frames to be filled with grout completely. All door frames to be a minimum of 45 min rating in 1 hr walls.	6-Oct-10	na	


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8	08 14 00	Doors are to be stave core doors. Door Face Veneer shall be rotary cut birch. Provide thickness of lead for radiology doors.	6-Oct-10	na	
8	08 14 00, item 2.1.A.1	ADD SLC-5 to statement so it reads "WDMA I.S.1-A, SLC-5, Extra Heavy Duty"	10-Mar-11	na	
8	08 33 00 & 08 33 14	Will need overhead doors at reception areas to secure patient records during off hours. All overhead doors/shutters in smoke or fire walls to be rated accordingly and tied to a corridor and room side smoke detector.	6-Oct-10	na	
8	08 71 00	ADD: 1.10 COORDINATION AND INSTALLATION A. Prior to the start of the hardware installation, the General Contractor shall schedule and conduct a pre-installation meeting with the hardware supplier and the manufacturer representative whom supplied the commercial locks, the exit devices, the door controls/closers, etc.. The purpose is to coordinate materials and techniques, and sequence complex hardware items and systems installation. Proper and correct installation and adjustment of hardware is to be reviewed. Meeting to convene at least one week prior to commencement of hardware installation and the Owner needs to be notified of date and time. Written documentation of date, attendees and participants is to be provided to architect and owner for record. B. Prior to owner's occupancy, the general contractor shall schedule and conduct a post-installation meeting with the hardware supplier and the manufacturer representative who supplied the commercial locks, the exit devices, the door controls/closers, etc. for review of the installation of devices.	22-Nov-10	5/11/2012	MW
8	08 71 00	Provide hardware schedule on Architectural Plans. Use the only the following manufacturers:	6-Oct-10	na	
8	08 71 00	Lock system: Best Cylindrical and Mortise Lock Set with Medeco 7-pin interchangeable cylindrical cores	2-Apr-12	na	
8	08 71 00	A core schedule it to be developed during the design phase of every project for all doors receiving cores.	2-Apr-12	na	
8	08 71 00	Hinges: Hager BB1168, minimum 2 ball bearing, follow specification guide lines for sizes and quantities. Hager Hinges for both Butt Hinges and Continuous Hinges.	6 Oct 10 and 5 Jul 11	na	
8	08 71 00	Exit devices: Von Duprin	6-Oct-10	na	
8	08 71 00	Closers: LCN 4040, 4040H, Sentronic tied to corridor or room smoke detector (add notes on Electrical Plans for this work.)	6-Oct-10	na	
8	08 71 00	If double egress doors are provided, check for security issues and provide LCN Chexit devices for security of area as required. Coordinate this requirement with fire alarm system. Have Chexit device controlled by Johnson Controls panel and monitor at PoliceDesk.	6-Oct-10	na	
8	08 71 00	All doors that lock need Mortise Locksets, 47H Series, with the exception of toilet rooms.	14-Apr-11	na	
	08 71 00 08 71 13 08 71 13.13 08 71 14	Closers: Mechanical, Low Energy, High Energy, Electronic Hold-Open, Electromagnetic: LCN Low Energy Door Operator: LCN Auto Equilizer or alternate manufacturer and model accepted is Stanley Magic Force. Sliding Glass Door Operator: Stanley Dura Glide 5200. <u>Confirm with VA during design phase.</u>	8-Jul-11	na	
8	08 90 00	Exterior louvers to match existing architecture of building (including color). All louvers to have insect screen.	30-Dec-11	na	
9	09 06 00	Provide a color board for each exterior and interior design work.	6-Oct-10	na	



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9	09 22 16	Provide details and notes for contractor to install wall bracing for all wall hung equipment, devices, items, etc.	6-Oct-10	na	
9	09 22 16, item 2.2.A	20 gauge studs: change thickness required from 0.9 mm at 0.0359-inch to 0.9 mm at (0.0346-inch)	6-Oct-10	na	
9	09 65 16	When door frames with hospital stops are installed, a 6" cove base will be used.	6-Oct-10	na	
9	09 65 16	<p>If rubber floors are installed, the following needs to be added to the installation requirements for cleaning the floor:</p> <p>Cleaning:</p> <p>i. Perform Nora ProClean process to remove factory protective coating.</p> <p>ii. Provide alternate process to Nora HighShine process as follows:</p> <p>1. Lightly mop or spray floor to wet surface – do not soak.</p> <p>2. Utilize repeated back and forth passes over area. Rewet when odor of rubber is unacceptable to VA, but do not soak.</p> <p>3. Continue until highly reflective shine is achieved, typically with 10 to 20 passes.</p> <p>Depending on the area of installation, method for seaming (cold weld, hot weld, no weld) needs to be identified in the specification and then specific installation instructions need to be added to the specification to prevent problems previously identified on other projects.</p> <p>Floor Prep to be completed as indicated in the attached file.</p> 	30-Dec-11	na	
9	09 91 00	Add note: Paint formula for each color to be provided as part of submittal.	6-Oct-10	na	
9	09 91 00	Paint to be Benjamin Moore	2-Apr-12	na	
9	09 91 00 3.12A.6	<p>ADD for FIRE PROTECTION WATER:</p> <p>Color OF EXPOSED PIPING = RED</p> <p>Additionally, all existing sprinkler pipe that is exposed or will be exposed due to the work will be painted red.</p>	30-Dec-11	na	
9	09 91 00, item 3.12	All utility piping shall be labeled as to flow (if applicable) and service on each side of each wall it penetrates and every 20 feet on center.	6-Oct-10	na	
10	10 14 00	Add 2.1.D.: Manufacturer Systems 290 or VA Approved equal that will interchange exactly with the existing Systems 290 signs.	6-Oct-10	na	
10	10 21 23	<p>Cubicle Curtains - support from structure above, not ceiling grid.</p> <p>Cubicle Curtain Tracks to be: InPro Ultra Cube Track CE800, clean anodized. Provide ball and chain CE9038.</p>	5-Jul-11	na	
10	10 26 00	All 4 ft high impact wall protection to be provided in rolls. 4'x8' sheets are not acceptable unless quantity is less than what is on a roll.	5-Mar-12	na	
10	10 28 00	VA to provide paper towel dispenser, soap dispenser, sharps containers, glove box dispensers, waterless soap dispensers, and toilet paper dispensers. Contractor to pick them up from VA and contractor to provide backing and install accordingly.	6-Oct-10	na	
12	12 32 00	All furnishings to be provided by the contractor. Furnishings to be on GSA contract. Provide a table on drawings indicating GSA contract number, Point of Contact, expiration date, model, make, manufacturer, quantity, color, etc. Where PLAM countertops are permitted, front edge shall be constructed of a continuous rounded 3" wide solid birch or maple and securely fastened to PLAM countertop.	6-Oct-10	na	
12	12 series	All transaction counters to be solid surface.	26-Nov-10	na	
13	12 Series	When new windows are installed the contractor is to provide and install new window shades, drapery, etc. to match existing or as directed.	6-Oct-10	na	







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14	14 24 00	Design elevators or cart-lift in accordance with latest VA and NFPA code requirements in regard to fire protection services. Provide one vertical and one horizontal elevator interior control panel to match existing panels in main hospital building 111. These are specifically designed for SCI and wheel chair bound patients. Emergency phones in each elevator car shall communicate with main hospital building 111 Police Desk. Elevators shall be monitored by the existing Otis elevator monitoring systems located in buildings 111 and 113.	6-Oct-10	na	
14	14 00 00 Series	Include pneumatic tube specification if pneumatic tube is part of project.	6-Oct-10	na	
14	14 00 00 Series	<p>The Following Note is to be added to ALL Pneumatic Tube Drawings:</p> <p>GENERAL CONTRACTOR TO COORDINATE WORK WITH OTHER TRADES AS FOLLOWS:</p> <ul style="list-style-type: none"> • FURRING-IN AND WALL CONSTRUCTION OF STATIONS • FURRING-IN OF RISERS AS APPLICABLE • PROVIDE 3Ø, 208/230/260 VAC AND 1Ø, 115 VAC 3 AMP UNSWITCHED SOURCE WITHIN 5 FT OF BLOWER. • PROVIDE TERMINATION OF POWER AT EQUIPMENT. • MODIFICATIONS TO EXISTING STRUCTURAL, ELECTRICAL OR MECHANICAL NECESSARY TO FACILITATE INSTALLATION OF TRANSLOGIC SYSTEM. • REMOVAL AND REPAIR OF CEILING SYSTEMS AS APPLICABLE. • PROVIDING DUST PARTITIONS AS APPLICABLE. • CLEANUP AND GENERAL CONSTRUCTION. <p>PNEUMATIC TUBE TO BE POWERED BY PANEL EPH-Q-B04-1.</p> 	20-Jan-11	na	
21	21 05 11	Training, manuals, schematics, maintenance schedules are required on all new equipment installed. Each new equipment item to be labeled as to equipment identification number, installation date, area serving, feeder services, etc.	6-Oct-10	na	
21	21 05 11	ADD: 1.1.D: Design to be in accordance with VA Fire Protection Design Manual, dated April 2009.	17-Jan-11	na	
21	21 10 00	Sprinklers are to be a minimum 165 degree quick response Residential 1/2" NPT.	updated 26 Jan 11	na	
21	21 10 00	ADD to section 3.1: The return bend arrangement shall be used for the installation of all pendant sprinklers.	6-Oct-10	na	
21	21 10 00, item 1.4.A	DELETE: "or a NICET (National Institute for Certification in Engineering Technologies) Level III sprinkler technician"	17-Jan-11	na	
21 22 23	21 05 11 23 05 11 22 05 11	Labeling of piping is in section 09 91 00. If pipe is being installed, specification section 09 91 00 needs to be referenced and included for labeling requirements.	20-Jan-11	na	
21 23 27 28	21, 232, 27 and 28 Series	<p><u>Cable colors are as follows:</u></p> <p>Tan - HVAC</p> <p>Gray - HVAC Controls</p> <p>Purple - Telemetry</p> <p>Pink - Telemetry Old 1999-2001 (not to be used for new construction)</p> <p>Yellow - Security</p> <p>Blue - Data</p> <p>White - Phone</p> <p>Red - Fire Alarm</p> <p>Green - Standby Power</p> <p>Orange - Remote Control Circuits</p> <p>Black - Wi-Fi</p>	26-Mar-12	na	
22	22 05 11	Training, manuals, schematics, maintenance schedules are required on all new equipment installed. Each new equipment item to be labeled as to equipment identification number, installation date, area serving, feeder services, etc.	6-Oct-10	na	
22	22 62 00	Contractor is to do a purity test of all medical gases affected by construction. Testing is to be scheduled during non-working hours or when it does not affect patient care. Results are to be immediately provided to VA Facility Management. Connections to existing house system is to be adequate but to affect the least amount of patient services. Outlet system is currently Chemetron and needs to match this or re-use existing outlets if possible, clearly indicate to contractor this requirement in design. Chemetron makes a valve that will fit all equipment and lines. Shut off valves and alarms are by Chemetron. Install Alarm Panels in critical care areas per NFPA. Alarm Panels in Anesthetizing areas are to be on the upstream side of the source and downstream adjacent room. Alarm panels in all other non-critical areas are to be on the downstream side of the source. All medical gasses are to be brazed joints. Soft solder is not allowed.	6-Oct-10	na	

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23	23 Series	Mechanical equipment labeling - label per room serving. Example: Filter for room 2254 = F-2254, VAV for Room 3256 = VAV-3256.	6-Oct-10	na	
23	23 Series	For the replacement of deilectric union, assume (2) per riser. Replace dielectric unions with full port ball valves. Reference item under 02 82 11 in this checklist for more information.	2-Apr-12	na	
23	23 05 11	Training, manuals, schematics, maintenance schedules are required on all new equipment installed. Each new equipment item to be labeled as to equipment identification number, installation date, area serving, feeder services, etc.	6-Oct-10	na	
23	23 05 11	ADD the following labeling requirements for equipment above ceilings. 	5-Mar-12	na	
23	23 05 93	Testing and balancing to include sheaves, pulley changes, motor changes, balancing of the system to meet cfm, velocity, and noise levels (use minimum levels) as part of construction. The work is to also include testing and balancing of all areas affected by the mechanical system modified under the contract.	6-Oct-10	na	
23	23 09 23	Current control systems are Johnson Controls, Inc. and CRC. All new controls to be JCI and CRC. Controls to be electronic Metasys whenever possible. Provide justification if system cannot be of this type. Specifications need to clearly distinguish between work associated with the JCI and CRC portion of the project.	6-Oct-10	na	
23	23 09 23	Mechanical engineer needs to provide a DDC point chart for all equipment in the project. Table can be Excel and added to the end of this section.	6-Oct-10	na	
23	23 09 24	This section is needed if isolation room controls are part of the project. CRC needs to provide contract legal spec and single line diagram. Specifications need to clearly distinguish between work associated with the JCI and CRC portion of the project.	6-Oct-10	na	
23	23 21 13	Mercury thermometers are not allowed.	6-Oct-10	na	
23	23 21 13 item 2.4.A.2	VA preference for copper tubing under 2-1/2" is mechanical press sealed fittings. ADD: 1. Field pressure testing (125 PSIG minimum) for the selected segments or complete length. 2. Fluid tempertaure limits for using is maximum 140 F. 3. Contractor to used proper tools when installing press sealed fittings.	5-Jul-11	na	
23	23 82 16	Building 111 uses the chilled water coil as a preheating coil in the winter months. Verify this for new design and retrofit on all existing AHUs.	6-Oct-10	na	
26	26 05 11	Training, manuals, schematics, maintenance schedules are required on all new equipment installed. Each new equipment item to be labeled as to equipment identification number, installation date, area serving, feeder services, voltage, amperage, main breaker rating, etc.	6-Oct-10	na	
26	26 05 21 item 2.1.D.1	Color Code: for the Milwaukee VA, the following applies for 480/277 volt and the table needs to be changed: Phase A = Brown Phase B = Yellow Phase C = Orange	2-Jan-12	na	
26	26 series	Per NEC 2011, the following code changes need to be incorporated into the specifications and designs: #200.4 - can no longer share a neutral in three single phase circuits #301.11(A)(2) - need to color code hangers so that ceiling grid hangers can be identified separately from electrical support wires #517.18 (A) - for patient bed locations cannot share a neutral for two circuits #700.10(D)(1) - a 2-hour rating is required for emergency system feeders	26-Mar-12	na	
26	26 05 33, Item 2.1A	Minimum 3/4" conduit except for whips on fluorecent fixtures to be a minimum 1/2". Junction boxes to be labeled for voltage, service breaker & panel, or fire alarm system designation of equipment.	6-Oct-10	na	
26	26 05 71	This section will be part of every project that adds any electrical panels.	6-Oct-10	na	
26	26 series	Label Electrical Panels as indicated in the attachment: 	5-Jul-11	na	


Milwaukee VAMC Specification Modifications Checklist

Div	Section	Comment	VA Updated Checklist	Date AE Added	Initials
26	26 05 71	ADD: 1.8 ARC HAZARD STUDY A. Arc-Flash Hazard Analysis 1. The analysis shall be performed with the aid of computer software intended for this purpose in order to calculate Arc-Fault Incident Energy (AFIE) levels and flash protection boundary distances. 2. The analysis shall be performed on conjunction with the short-circuit analysis and the time-current coordination analysis. 3. Results of the analysis shall be submitted in tabular form, and shall include device or bus name, bolted fault and arcing fault current levels, flash protection boundary distances, personal-protective equipment classes and AFIE levels. 4. The analysis shall be performed under worst-case arc-flash conditions, and the final report shall describe, when applicable, how these conditions differ from worst-case bolted fault conditions. 5. The analysis shall include recommendations for reducing AFIE levels and enhancing worker safety. 6. The Electrical Contractor shall provide equipment labels in compliance with NEC Section 110 and ANSI Z535.4 to identify AFIE and appropriate Personal Protective Equipment classes.	6-Oct-10	na	
26	26 23 00	New Breakers provided for switchgears SG-1LS, SG-2CR, SG-3EQ, SQ-4EQ shall be Eaton Cutler-Hammer Digitrip 520MC with ground fault alarm only. New Breakers provided for switchgears SG-1N, SG-2N, SG-3N, SQ-4N shall be Eaton Cutler-Hammer Digitrip 520MC with ground fault monitoring. If a neutral is involved for a 277/480v breaker a CT will have to be provided for the neutral. For straight 480v no neutral is required. The new circuit breakers need to be daisy chained into the existing metering signal system and then programmed into the JCAHO metering system.	16-Dec-10	na	
26	26 24 16	New Breakers provided for switchgears SG-1LS, SG-2CR, SG-3EQ, SQ-4EQ shall be Eaton Cutler-Hammer Digitrip 520MC with ground fault alarm only. New Breakers provided for switchgears SG-1N, SG-2N, SG-3N, SQ-4N shall be Eaton Cutler-Hammer Digitrip 520MC with ground fault monitoring. If a neutral is involved for a 277/480v breaker a CT will have to be provided for the neutral. For straight 480v no neutral is required. The new circuit breakers need to be daisy chained into the existing metering signal system and then programmed into the JCAHO metering system.	16-Dec-10	na	
26	26 24 16	All panel boards to have bolt on breakers, main breaker, solid copper ground and main buses. Panels to be labeled, new and old panel name, and as to voltage, main breaker, amperage, equipment or service feeding and where it is fed from (provide similar data, i.e., V, A, Ckt #, Pnl #, etc.)	6-Oct-10	na	
26	26 27 26, Item 2.4.A	Wall plates for switches and receptacles shall be 302 stainless steel.	6-Oct-10	na	
26	26 27 26, Item 2.4.G	Wall Plates: Duplex Receptacles on Emergency Circuits - Wall plates shall be stainless steel with the word "Emergency" engraved in 6mm (1/4 inch) RED letters. 	6-Oct-10	na	
26	26 27 26	All receptacles & switches to be a minimum of 20A hospital grade. Provide as-built drawings and install phenolic balck and white / red and white labels for each device indicating circuit number, receptacle id, panel number, panel room number, and device type. Provide an additional label indicating panel number, circuit number, and other devices on the same circuit. All switch plate covers to be SS. 	6-Oct-10	na	
26	26 29 21	Safety Switches to be labeled as to voltage, fuse size, amperage, equipment or service feeding and where it fed from (provide similar data, i.e., V, A, Ckt #, Pnl #, etc.)	6-Oct-10	na	
26	26 51 00	Light fixtures for over sinks in toilet rooms, both patient and staff, to be Lithonia Lighting, VG02, Gateway. Model #: VG02 26DTT 120 DWHG LPI	15-Apr-11	na	
26	Lighting Efficiency Rules		6-Oct-10	na	
26	27 series	All fiber optic to be completely compatible with existing fiber optic systems. Cable is CAT 5e.	6-Oct-10	na	
27	VA telecom Spec	Updated telecom outlet detail 4-2-2012. Telecom outlet face plate can be plastic.   	2-Apr-12	na	

Milwaukee VAMC Specification Modifications Checklist

Div	Section	Comment	VA Updated Checklist	Date AE Added	Initials
27	27 series	All fiber cable to have LC connectors.	26-Nov-10	na	
27	27 05 11	Training, manuals, schematics, maintenance schedules are required on all new equipment installed. Each new equipment item to be labeled as to equipment identification number, installation date, area serving, feeder services, voltage, amperage, main breaker rating, etc.	6-Oct-10	na	
27	27 05 11	ADD the following to the specification and incorporate into the drawings: Wireless Network: A. The existing wireless network is to be reinstalled as part of the design and construction. B. Wireless cable Cat 5e grey non-plenum PVC is to be used. C. For rooms with minor renovation and no wall changes, reinstall AP nodes in the same location. D. For new room configurations, assume a maximum of 1500 square feet coverage area for each AP node. E. Upon installation of new wiring and nodes, contractor to complete a signal out and echo all locations to ensure signals and adjust locations as necessary.	6-Oct-10	na	
27	27 05 33	Minimum 3/4" conduit except for whips on fluorescent fixtures to be a minimum 1/2". Junction boxes to be labeled for voltage, service breaker & panel, or fire alarm system designation of equipment.	6-Oct-10	na	
27	27 51 23	VA paging specification needs to be incorporated for all projects involving paging systems. 	5-May-11	na	
28	28 05 11	Training, manuals, schematics, maintenance schedules are required on all new equipment installed. Each new equipment item to be labeled as to equipment identification number, installation date, area serving, feeder services, voltage, amperage, main breaker rating, etc.	6-Oct-10	na	
28	28 Series	All cabling to be CAT 5e.	26-Mar-12	na	
28	28 05 33	Minimum 3/4" conduit except for whips on fluorescent fixtures to be a minimum 1/2". Junction boxes to be labeled for voltage, service breaker & panel, or fire alarm system designation of equipment.	6-Oct-10	na	
28	28 13 16	All new card readers to be HID 6125CKN0009-G3.0 RDR, RP40, MULTICLASS, PIV II, 64 Bite Reverse BCD, Multi-technology iClass FIPS compliant. Devices need to be compatible with existing and new VA ID cards. Verify model number with FM Engineer prior to each design.	2-Jun-11	na	
28	28 31 00	Fire alarm system to be by Siemens Pyrotechnics System tied into the existing medical center system. The audible alarm system when generated by the new building system shall code through the main hospital building 111. All new fire alarm to be Pyrotechnics intelligible addressable devices and to tie into the existing Pyrotechnics system. Provide speaker strobe devices in lieu of individual speaker device and strobe device unless otherwise indicated.	6-Oct-10	na	
31	31 20 00 & 31 20 11	Provide soil borings as an attachment to this section. Ensure soil boring is at least 10 feet below lowest elevation of footing, caisson, pier, piling, slab, etc. Include a dewatering clause for all contracts. Clause to be worded accordingly for the type of earthwork required that the contractor is solely responsible for this work.	6-Oct-10	na	
32	32 12 16	Use specification sections that are equivalent to State of WI requirements. Edit specifications to provide for a recycled asphalt base course and a virgin surface course.	6-Oct-10	na	
32	32 90 00	Add statement indicating contractor is to seed all areas and is responsible for maintaining all landscaping for one full spring, summer, and fall season.	6-Oct-10	na	
A	Handicap Accessibility	Use Federal Accessibility Standards. For wheel chair access to pass through windows, reception areas, greeting desks, etc. Provide an indent in the service providing wall (plan view) 18" deep and 36" wide. Provide counter at wheel chair accessibility height with window or screen, etc. 18" in from outside of room access. Reduce interior counter appropriately to coincide with overall dimensions of counter.	6-Oct-10	na	
A	Title Sheet & Gnrl	Use VA Title Block, provide State, City, Site, & Bldg location maps.	6-Oct-10	na	
A		Medical sharps containers to be installed between 52 and 55" AFF. Signage to be installed at 63" AFF to the top of the sign and 2" from door frame. Coordinate with VA for final location.	6-Oct-10	na	

Milwaukee VAMC Specification Modifications Checklist

Div	Section	Comment	VA Updated Checklist	Date AE Added	Initials
A		Provide list of drawings, list of abbreviations, smoke wall key, north arrows, etc. Use VA plan, detail, section, and elevation marks. Title of Project to be in title block. A/E Professional License Stamps and Signatures to be on every sheet. Provide key symbols and abbreviations on page where such is used.	6-Oct-10	na	
		Work will be connecting to the existing building and will be interrupting services to the medical center. Therefore, sections, SN, Infection Control, and FSS are required for ALL contracts.	26-Nov-10	na	
		All sole source vendors are to be contacted by 25% design.	6-Oct-10	na	
		Risk Baselines will be completed by AE, reviewed with the VA and incorporated in the design at 25%, 50%, 95%. 	6-Oct-10	na	
		Focus on Energy initiatives are to be considered during the design. AE to work with Focus on Energy	6-Oct-10	na	
		Are all contractors on CCR and IFCAP?	6-Oct-10	na	
		AE to get drawings to the VA in sufficient time to allow for an independent fire and safety review.	22-Oct-10	na	
		Confirm with GLAC that CVE requirement is incorporated in the contract documents.	22-Oct-10	na	
		Reference Drawing Tab of this file for drawings requirements.	20-Jan-11	na	
				na	

The following products are Sole Source and on GSA Contract:

Security System and Code Blue: Johnson Controls Pegasys system GS-07F-7823C

Pneumatic Tube: Swiss Translogic GS-07F-5535P

Jeron Health Care Call System Provider 680 Nurse Call System GS-35F-0331N

Doors, Hardware, Locks and Keying: Best Patented cylindrical and mortise sets, **Medeco 7-pin Interchangeable Cylindrical Cores**, LCN Closures, Von Duprin Exit Devices, Hager HingesG: 15-Apr-11

Building Automation and HVAC Controls: Johnson Controls GS-07F-7823C

Fire Alarm System: Siemens Cerberus Pyrotronics System GS-06F-0033P

Isolation Room Controls: CRC - Critical Room Controls (Not on GSA)

Medical Gas Alarms: Puritan Bennett

Nurse Call: Jeron Health Care Call System Provider 680 Nurse Call System GS-35F-0331N

Refrigerator Temperature Controls: Johnson Controls Temp Trak System GS-07F-7823C

Wander Guard: Accutech ES2200 Patient Wandering Prevention System GS-07F-0434N

Patient Ceiling Lifts: Guldman GH2HD Ceiling

Modular Brick: Belden Brick (County materials) Seal Brown, Velour A

Automatic Transfer Switches: Eaton Magnum Transfer Switches

10-Feb-11